

10.1/10.2 Review

Grade: 9th
Subject: Earth Science
Date: 1/28/13

Jan 28-9:59 AM

1 Wegener thought that all the continents were once together in one large continent called...

- A Gondwana
- B Laurasia
- C Eurasia
- D Pangaea

Jan 29-9:51 AM

2 convergent is the term for when two plates collide

Jan 29-9:53 AM

3 The global positioning system can map the rate of tectonic plate movement using

- A radio waves
- B lasers
- C visual markers
- D motion detectors

Jan 29-9:54 AM

4 A possible result of plates moving along a transform boundary is ...

- A oceans
- B convection
- C earthquakes
- D sea-floor spreading

Jan 29-9:54 AM

5 divergent is the term for where two plates are moving away from each other.

Jan 29-9:55 AM

6 ridge push is where oceanic lithosphere slides downhill due to gravity.

Jan 29-9:57 AM

7 Convection is the process of moving layers of rock by heating and cooling.

Jan 29-9:57 AM

8 transform is where two plates are moving past each other horizontally.

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Jan 29-9:58 AM

10.3 Review

Grade: 9th
Subject: Earth Science
Date: 1/31/13

Jan 28-10:00 AM

1 Rifting is the process by which continents break apart.

Jan 31-10:45 AM

2 The single large ocean that surrounded Pangaea was called...

- A Laurasia
- B Gondwanaland
- C Panthalassa
- D Tethys Sea

Jan 31-10:46 AM

- 3 A terrane is a piece of lithosphere that has a unique geologic history from that of the surrounding lithosphere.

Jan 31-10:47 AM

- 4 The process by which a terrane becomes part of a continent is called accretion.

Jan 31-10:48 AM

5 Small volcanic islands or underwater mountains are called seamounts.

Jan 31-10:49 AM

6 Small coral islands are also called seamounts.

atolls

True

False

Jan 31-10:49 AM

7 The formation of mountain ranges can cause changes in climate.

True

False

Jan 31-10:51 AM

Chapter 10 Review

Grade: 9th
Subject: Earth Science
Date: 2/4/13

Feb 3-2:22 PM

1 Support for Wegener's hypothesis of continental drift includes evidence of changes in...

- A climatic patterns
- B Panthalassa
- C terranes
- D subduction

Feb 3-2:25 PM

2 New ocean floor is constantly being produced through the process known as ...

- A subduction
- B continental drift
- C sea-floor spreading
- D terranes

Feb 3-2:26 PM

3 An underwater mountain chain that formed by sea-floor spreading is called a ...

- A divergent boundary
- B subduction zone
- C mid-ocean ridge
- D convergent boundary

Feb 3-2:27 PM

4 Scientists think that the upwelling of mantle material at mid-ocean ridges is caused by the motion of tectonic plates and comes from...

- A the lithosphere
- B terranes
- C the asthenosphere
- D rift valleys

Feb 3-2:28 PM

5 The layer of plastic rock that underlies the tectonic plates is the ...

- A lithosphere
- B asthenosphere
- C oceanic crust
- D terrane

Feb 3-2:29 PM

6 The region along tectonic plate boundaries where one plate moves beneath another is called a ...

- A rift valley
- B transform boundary
- C subduction zone
- D convergent boundary

Feb 3-2:29 PM

7 Two plates grind past each other at a ...

- A transform boundary
- B convergent boundary
- C subduction zone
- D divergent boundary

Feb 3-2:30 PM

8 Convection occurs because heated material becomes

- A less dense and rises
- B denser and rises
- C denser and sinks
- D less dense and sinks

Feb 3-2:31 PM

9 The coasts of Africa and South America began rifting about 150 million years ago. Today, the coast of South America is about 6,600 km from the coast of Africa. Using the equation $\text{VELOCITY} = \text{DISTANCE} / \text{TIME}$, determine how fast the continents moved apart in millimeters per year (mm/year)?

$150,000,000 \text{ years}$ 6.6×10
 $6,600 \text{ km} \rightarrow \text{mm}$ 10^{-3} 44 mm/year
 $6.600000,000$
 $6,600,000,000 \text{ mm}$

Feb 3-2:34 PM

10 Rocks that form at mid-ocean ridges become magnetized because as the rock cools, the magnetic fields of some of the minerals align with Earth's magnetic field, which stays in the rock as the rock solidifies.

True
False

Feb 3-2:36 PM

11 The process by which a continent breaks apart is _____.

rifting

Feb 3-2:36 PM

12 *Panthalassa* was the large ocean that surrounded Pangaea.

Feb 3-2:37 PM

13 A chain of volcanic islands, like Japan or Hawaii, are also known as a(n) island arc (two words).

Feb 3-2:39 PM

14 Paleomagnetism is the study of the magnetic properties of rock.

Feb 3-2:39 PM

- 15 Convection is the movement of heated material due to differences in density that are caused by differences in temperatures.

Feb 3-2:42 PM

- 16 The force exerted by a sinking plate, due to density, is called slab pull.

True
False

Feb 3-2:43 PM

17 All of the continents that exist today contain large areas of stable rock, called cratons.

Feb 3-2:44 PM

18 The process by which a terrane becomes part of a continent is called accretion

Feb 3-2:44 PM

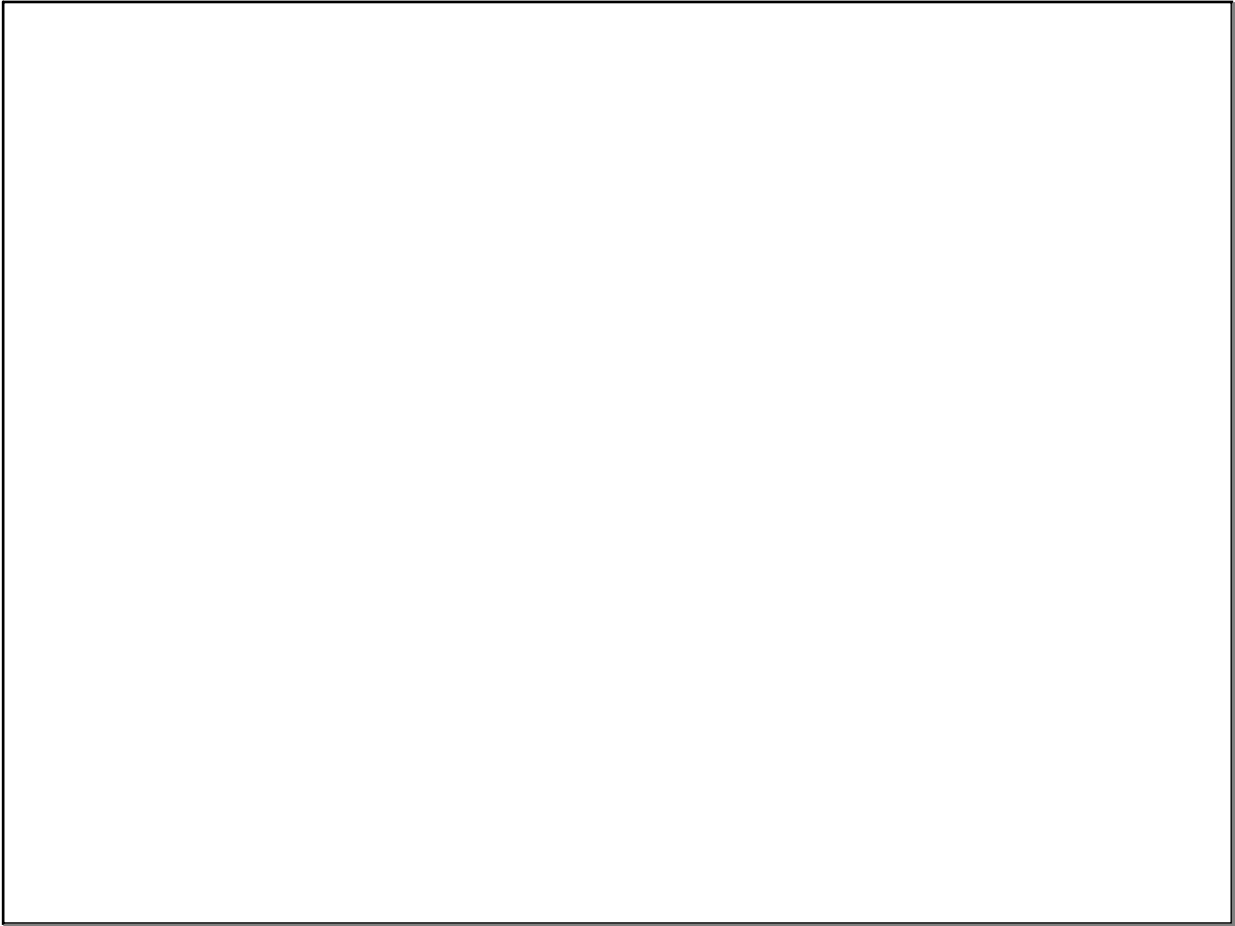
19 Pangaea first broke into two large continents called _____ and _____.

- A Indiasia
- B Godwanaland
- C Laurasia
- D Andetonoland

Feb 3-2:48 PM

20 Pangaea broke apart roughly _____ million years ago.

Feb 3-2:48 PM



Feb 3-2:22 PM